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CLAIMS

1. (Currently amended) A system ~~An adapter~~ for charging a remote device having a
remote device rechargeable power source comprising:

a remote device including the remote device rechargeable power source and a
remote device transceiver;

a contactless power supply having a primary and a CPS transceiver;

an adapter connectable to the remote device and including a secondary, a
~~contactless power interface for receiving power from a contactless power supply;~~ a power
regulator ~~for supplying~~ to supply power to the remote device rechargeable power source ~~[[:]]~~ , an
adapter ~~[[and a]]~~ rechargeable power source for powering the adapter, a first adapter transceiver
to establish a first two-way communication link with the remote device transceiver, and a second
adapter transceiver to establish a second two-way communication link with the CPS transceiver.

2. (Canceled)

3. (Currently amended) The adapter system of claim ~~[[2]]~~ 1 further comprising a
controller, ~~the controller controlling~~ to control the power regulator.

4. (Canceled)

5. (Currently amended) The adapter system of claim ~~[[4]]~~ 3 where the ~~contactless power~~
~~interface controller~~ controller includes a variable impedance element, ~~the variable impedance element~~
having an impedance.

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6. (Currently amended) The adapter system of claim 5 where ~~the controller is coupled to the variable impedance element, and the controller~~ the controller is capable of changing the impedance of the variable impedance element.

7. (Currently amended) The adapter system of claim 6 where the variable impedance element is a variable inductor.

8. (Currently amended) The adapter system of claim 7 where the controller varies the impedance of the variable inductor in response to instructions from the contactless power supply through the second communication link.

9. through 11. (Canceled)

12. (Currently amended) The adapter system of claim 11 where the adapter ~~can obtain power~~ receives charging requirements from the remote device through the first communication link.

13. (Currently amended) ~~An adapter for connection to~~ A remote device charging system comprising:

a remote device, ~~the remote device~~ having a remote device rechargeable power source, ~~comprising:~~

a contactless power supply including a primary;

an adapter including a secondary and an adapter rechargeable power source a
~~contactless power interface for receiving power from a contactless power supply; a power~~
~~regulator for supplying power to the remote device for charging the remote device rechargeable~~
~~power source; and a receiver for communicating with the contactless power supply ;~~

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a first two-way communication link between the remote device and the adapter;

a second two-way communication link between the adapter and the contactless power supply.

14. through 22. (Canceled)

23. (Currently amended) A method of ~~operating an adapter for recharging~~ connecting a remote device ~~rechargeable power source contained with a remote device with power from~~ to a network through a contactless power supply comprising ~~the steps of:~~

creating a first communication link between the remote device and an adapter;

creating a second communication link between the adapter and the contactless power supply;

creating a third communication link between the contactless power supply and a computer;

creating a fourth communication link between the computer and the network,
whereby the remote device can communicate with the network through the first, second, third,
and fourth communication links.

24. (Currently amended) The method of claim 23 ~~further comprising the step of the~~
~~contactless power supply receiving power requirement~~ 50 wherein the information from the
~~remote device includes charging information.~~

25. through 46. (Canceled)

47. (New) The system of claim 13 further comprising:

a computer; and

a third two-way communication link between the contactless power supply and the computer.

48. (New) The system of claim 47 wherein each of the first and second communication links includes two transceivers.

49. (New) The system of claim 13 wherein each of the communication links includes two transceivers.

50. (New) The system of claim 23 further comprising:

providing to the contactless power supply through the first and second communication links information about a remote device rechargeable power source within the remote device; and

supplying power to the remote device rechargeable power source in response to the information.

51. (New) The method of claim 13 wherein each of the first and second creating steps includes using two transceivers.